

EENS Job Risk Assessment

Name(s) of Risk Team Members: Y. Celebi, D. Elling, S. Mitra, A. Piper, T. Roberts, S. Smith, S. Springston, C. Wirick	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Manual Material Handling Job Number or Job Identifier: EENS-JRA-014 JRA Date:	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Manual Material Handling inclusive of lifting and carrying packages, instrumentation and lightweight experimental equipment.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional): BNL Back Safety (TQ-BACKSAFE); BNL Ergonomics in the Mechanical and Industrial Setting (TQ-ERGO-IND) Applicable Standard Operating Procedures:	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: Date: 02/14/06 Rev. #: Draft						
Stressors (if applicable, please list all) Poor Lighting, inclement weather, time constraints	Reason for Revision (if applicable):			Comments:		

			Before Additional Controls							After Additional Controls						
Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Lifting of boxes, containers, packages, equipment, etc.	Overexertion, strain/sprain injuries from excessive lifting, pushing, pulling, holding, carrying	proper lifting technique, assistance from others, handle built into load, training, back support, review of ESR, mechanical assistance as needed.	Y	1	4	3	2	24								

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			Before Additional Controls							After Additional Controls						
Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Injury from falls to lower level while moving with obstructed view	floor maintenance; good footwear; housekeeping, assistant (spotter), Tier 1 , facility awareness, review of ESR	Y	1	2	3	2	12								
	Cuts, abrasions, pinching injuries, splinters	Use of gloves and supportive shoes, handle holds built into load,	Y	1	2	1	3	6								
	Being struck by dropped load	Use of gloves and supportive shoes, handle holds built into load, lifting rules, training	Y	1	2	3	2	12								
Carrying loads up & down stairs	Falls to lower level or trip at same level	Sufficient lighting, good footwear; housekeeping; hand rails, use of ramps and elevators as alternative, Tier 1	Y	1	3	3	2	18								
Moving and hold objects with extended arm reach	Overexertion, strain/sprain injuries from excessive lifting, pushing, pulling, holding, carrying	proper lifting technique, , handle built into load, training, back support, review of ESR, use of step stool, assistance in lifting and manipulating., mechanical assistance as needed, knowledge of weight of load	Y	1	4	3	2	24								
	Injury from falls to lower level while moving with obstructed view	floor maintenance; good footwear; housekeeping, assistant (spotter), Tier 1 , facility awareness, review of ESR	Y	1	2	3	2	12								
	Cuts, abrasions, pinching injuries, splinters	Use of gloves and supportive shoes, handle holds built into load,	Y	1	2	1	3	6								

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			Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
	Being struck by dropped load	Use of gloves and supportive shoes, handle holds built into load, lifting rules, training	Y	1	2	3	2	12							
Further Description of Controls Added to Reduce Risk:															
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate					61 to 80 Substantial	81 or greater Intolerable						